

a high S/N ratio, and low amplification degree and a second automatic gain control auxiliary amplifying circuit (m_2) having low S/N ratio, and high amplification degree, and selecting means for selecting said automatic gain control auxiliary amplifying circuit (m_1) of high S/N ratio or said automatic gain control auxiliary amplifying circuit (m_2) of low S/N ratio as needed.

18. (New) The signal amplifying circuit according to Claim 17 including a video camera signal processing circuit (d), said video camera signal processing circuit having said first and second automatic gain control auxiliary amplifying circuits (m_1 , m_2) in a single AGC amplifying circuit (em); and a switch for selectively switching between said amplification degree function of said first or second automatic gain control circuit.

19. (New) The signal amplifying circuit according to Claim 17 including a detector for detecting a change of object illumination by detecting a video output signal level, said detector selectively switching between said first and second automatic gain control circuits to provide the appropriate degree of amplification.

20. (New) In a signal amplifying and processing circuit for a Charge Coupled Device camera the improvement comprising; an auxiliary amplifying circuit (m), said auxiliary amplifying circuit comprising; a first automatic gain control auxiliary

amplifying circuit (m_1) having a high signal to noise ratio and low degree of amplification and a second automatic gain control auxiliary amplifying circuit (m_2) having a low signal to noise ratio and high degree of amplification; and selective means for selecting said high signal to noise automatic gain control auxiliary amplifier or said low signal to noise automatic gain control auxiliary amplifier according to the level of light.

21. (New) The signal amplifying circuit according to Claim 20 in which said first auxiliary amplifier (m_1) having a high signal to noise ratio and low degree of amplification and said auxiliary amplifier (m_2) having a low signal to noise ratio and high degree of amplification are incorporated into an existing AGC amplifier in said CCD camera amplifying and processing circuit; said selecting means including a switch for switching between said first high signal to noise ratio auxiliary automatic gain amplifier and said second low signal to noise ratio auxiliary automatic gain amplifier.

22. (New) The signal amplifying circuit according to Claim 21 in which said selective means includes; a detector for detecting signal level output voltage of a Charge Coupled Device signal amplifying and processing circuit representing light level; said detector activating said switch to switch between said first high signal to noise ratio auxiliary automatic gain amplifier or said second low signal to noise ratio auxiliary